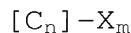


AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at line 28 of page 3 and bridging pages 3 and 4 of the originally filed specification with the following:

-- According to an advantageous embodiment, the functionalized carbon nanotubes of the invention have the following general formula:



wherein:

$C_n$  are surface carbons of a substantially cylindrical carbon nanotube of substantially constant diameter, said diameter being from about 0.5 to about 50 nm, in particular from about 0.5 to 5 nm for SWNTs and from about 20 to about 50 nm for MWNTs,

$X$  represents one or several functional groups, identical or different, each functional group comprising at least one effective group,

$n$  is an integer from about  $3 \cdot 10^3$   $3 \times 10^3$  to about  $3 \cdot 10^6$   
 $3 \times 10^6$ ,

$m$  is an integer from about 0.001n to about 0.1n, there are from about  $2 \cdot 10^{-11}$   $2 \times 10^{-11}$  moles to about  $2 \cdot 10^{-9}$   $2 \times 10^{-9}$  moles of  $X$  functional moles of  $X$  functional groups per  $cm^2$  of carbon nanotube surface. --

Please replace the paragraph beginning at line 24-26 of page 4 of the originally filed specification with the following:

-- The distribution of functional groups per  $\text{cm}^2$  of carbon nanotube surface which is advantageously of  $2 \cdot 10^{-11}$   $2 \times 10^{-11}$  moles to  $2 \cdot 10^{-9}$   $2 \times 10^{-9}$  moles can be determined by DSC (differential scanning calorimetry), TGA (thermo gravimetric assay), titrations and spectrophotometric measurements.--